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NEWSLINE

17N Sports Nuclear Medicine: An Emerging Field
Deborah Kotz

24N Commentary: Chernobyl: 10 Years Later
*Fred H. Mettler, Jr., David V. Becker, Bruce W. Wachholz
and Andre C. Bouville*

28N CHCPP News
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30N Government Relations Update
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30N Newsbriefs

HUMAN STUDIES

1923 Clinical Evaluation of Carbon-11-Phenylephrine: MAO-Sensitive Marker of Cardiac Sympathetic Neurons
*David M. Raffel, James R. Corbett, Renato B. del Rosario,
David L. Gildersleeve, Ping-Chun Chiao, Markus Schwaiger
and Donald M. Wieland*

1931 Dopamine D2 Receptor Imaging in Pituitary Adenomas Using Iodine-123-Epidopride and SPECT
*Walter Pirker, Michaela Riedl, Anton Luger, Thomas Czech,
Karl Rössler, Susanne Asenbaum, Peter Angelberger, Johannes
Kornhuber, Lüder Deecke, Ivo Podreka and Thomas Brücke*

1937 Reduced Coronary Flow Reserve in Familial Hypercholesterolemia
*Ikuo Yokoyama, Toru Murakami, Tohru Ohtake, Shin-ichi
Momomura, Junichi Nishikawa, Yasuhito Sasaki and
Masao Omata*

1942 Improvement of Radiation Treatment Planning in Squamous-Cell Head and Neck Cancer by Immuno-SPECT
*Irenäus A. Adamietz, Richard P. Baum, Frank Schemman,
Andreas Niesen, Rainald Knecht, Frank Saran, Sophia Tiekou,
Graeme R. Boniface, Gustav Hör and Heinz D. Böttcher*

1946 Ictal Cerebral Blood Flow in Seizures Originating in the Posterolateral Cortex
*R. Duncan, S. Rahi, A.M. Bernard, A. Biraben, A. Devillers, J.
Leclourec, J.P. Vignal and P. Chauvel*

1951 Dobutamine Thallium-201 SPECT Imaging for Assessment of Peri-Infarction and Remote Myocardial Ischemia
*Abdou Elhendy, Jan H. Cornel, Jos R.T.C. Roelandt, Ron T. van
Domburg, Marcel L. Geleijnse, Peter A.J. Hoeymans, Ambroos
E.M. Reijs, Folkert J. TenCate, M. Moshen Ibrahim and Paolo
M. Fioretti*

1956 Pre- and Post-Therapy Thallium-201 and Technetium-99m-Sestamibi SPECT in Nasopharyngeal Carcinoma
*Lale Kostakoglu, Uğur Uysal, Enis Özyar, Nazenin Elahi, Mutlu
Hayran, Dilek Uzal, Figen B. Demirkazik, Ayşe Kars, Ömer
Uğur, Lale Atahan and Coşkun F. Bekdik*

1962 Prognostic Value of Thyroglobulin after Thyroidectomy before Ablative Radioiodine Therapy in Thyroid Cancer
*Frank Grünwald, Christian Menzel, Rolf Fimmers, Paul O.
Zamora and Hans J. Biersack*

1965 Iodine-123-IPT SPECT Imaging of CNS Dopamine Transporters: Nonlinear Effects of Normal Aging on Striatal Uptake Values
*P. David Mozley, Hee-Joung Kim, Ruben C. Gur, Klaus Tatsch,
Larry R. Muenz, William T. McElgin, Mei-Ping Kung, Mu Mu,
Andrew M. Myers and Hank F. Kung*

1970 Prediction of Radiation Doses from Therapy Using Tracer Studies with Iodine-131-Labeled Antibodies
*Diane A. DeNardo, Gerald L. DeNardo, Aina Yuan, Sui Shen,
Sally J. DeNardo, Daniel J. Macey, Kathleen R. Lamborn, Marc
Mahe, Mark W. Groch and William D. Erwin*

1976 Post-Stroke Changes in Cortical 5-HT₂ Serotonergic Receptors
*Pierre Véra, Monica Zilbovicius, Hugues Chabriet, Pierre
Amarenco, Jacques Kerdraon, Jean François Ménard, Gérard
Amarenco, Marie Germaine Bousser, Gérald Rancurel and Yves
Samson*

1981 Assessment of Fatty Acid Uptake in Ischemic Heart Disease without Myocardial Infarction
*Madola Tateno, Nagara Tamaki, Masahi Yukihiro, Takashi
Kudoh, Naoya Hattori, Eiji Tadamura, Ryuji Nohara, Tadashi
Suzuki, Keigo Endo and Junji Konishi*

1985 Regional Abnormality of Iodine-123-MIBG in Diabetic Hearts
*Naoya Hattori, Nagara Tamaki, Tatsuya Hayashi, Izuru
Masuda, Takashi Kudoh, Madoka Tateno, Eiji Tadamura,
Yoshiharu Yonekura, Kazuwa Nakao and Junji Konishi*

1990 Simultaneous Evaluation of Fatty Acid Metabolism and Myocardial Flow in an Explanted Heart
*Margot Jonas, Wolfgang Brandau, Bernhard Vollet, Michael
Weyand, Anke Fahrenkamp, Franz-Josef Gildehaus, Joachim
Sziuk, Hans H. Scheld and Otmar Schobe*

CASE REPORTS

1995 Effect of Prior Radiopharmaceutical Administration on Schilling Test Performance: Analysis and Recommendations
*Lionel S. Zuckier, Michael Stabin, Borys R. Krynycky, Pat
Zanzonico and Barbara Binkert*

2000 Recurrent Postoperative Parathyroid Carcinoma: FDG-PET and Sestamibi-SPECT Findings
Donald R. Neumann, Caldwell B. Esselstyn and Eunice Y. Kim

LABORATORY STUDIES

2002 Internalization of Indium-111 into Human Neuroendocrine Tumor Cells after Incubation with Indium-111-DTPA-D-Phe¹-Octreotide
*Peter Andersson, Eva Forssell-Aronsson, Viktor Johanson, Bo
Wängberg, Ola Nilsson, Martha Fjälling and Håkan Ahlman*

2006 Temporal Changes in Function and Regional Glucose Uptake within Stunned Porcine Myocardium
*Edward O. McFalls, Douglas Baldwin, David Marx, Peggy
Fashingbauer and Herbert Ward*

2011 Uptake and Retention Kinetics of Para-Fluorine-18-Fluorobenzylguanidine in Isolated Rat Heart
*Clifford R. Berry, Pradeep K. Garg, Michael R. Zalutsky, R.
Edward Coleman and Timothy R. DeGrado*

METHODOLOGY

- 2017 Physical and Clinical Evaluation of High-Resolution Thyroid Pinhole Tomography**
Patrick M. Wanet, Alain Sand and Jean Abramovici
- 2021 An Improved Method for Rapid and Efficient Radioiodination of Iodine-123-IQNB**
Kan Sam Lee, Xiao-shu He, Douglas W. Jones, Richard Coppola, Julia G. Gorey, Michael B. Knable, Brian R. deCosta, Kenner C. Rice and Daniel R. Weinberger
- 2024 Monte Carlo-Based Analysis of PET Scatter Components**
Lars-Eric Adam, Matthias E. Bellemann, Gunnar Brix and Walter J. Lorenz
- 2030 Energy-Based Scatter Corrections for Scintillation Camera Images of Iodine-131**
Kenneth R. Pollard, Thomas K. Lewellen, Mitchell S. Kaplan, David R. Haynor, Robert S. Miyaoka, Janet F. Eary and Lawrence D. Durack
- 2037 Comparison of Continuous Step-and-Shoot versus Step-and-Shoot Acquisition SPECT**
ZongJian Cao, Christophe Maunoury, Charles C. Chen and Lawrence E. Holder
- 2040 Nonstationary Scatter Subtraction-Restoration in High-Resolution PET**
M. Bentourkia, P. Msaki, J. Cadorette and R. Lecomte
- 2047 Editorial: Scatter Degradation and Correction Models for High-Resolution PET**
P. Msaki, M. Bentourkia and R. Lecomte
- 2049 A Graphical Analysis Method to Estimate Blood-to-Tissue Transfer Constants for Tracers with Labeled Metabolites**
David A. Mankoff, Anthony F. Shields, Michael M. Graham, Jeanne M. Link and Kenneth A. Krohn
- 2057 One-Day Protocol for Cerebral Perfusion Reserve with Acetazolamide**
Naoya Hattori, Yoshiharu Yonekura, Fumiko Tanaka, Toru Fujita, Jinyi Wang, Koichi Ishizu, Hidehiko Okazawa, Nagara Tamaki and Junji Konishi

CLINICOPATHOLOGIC CONFERENCES

- 2062 Persistent Fever in a Patient with Polycystic Kidney and Liver Diseases and Bilateral Hip Prostheses**
C. Gerry Kwok and I. Ross McDougall

MODELING

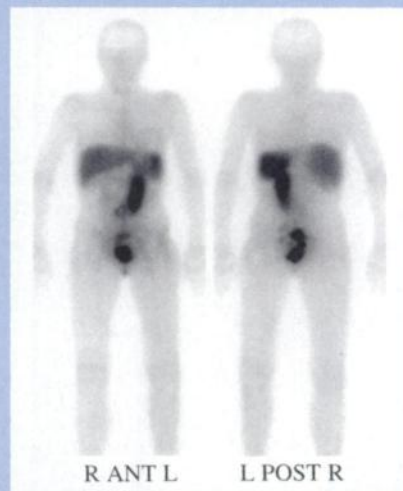
- 2066 A Compartmental Model for Alveolar Clearance of Pertechnegas**
Jörg Kotzerke, Jörg van den Hoff, Wolfgang Burchert, Thomas O.F. Wagner, Matthias Emter and Heinz Hundeshagen

DOSIMETRY

- 2072 Dosimetry and Risk Estimates of Radioiodine Therapy for Large, Multinodular Goiters**
Dyde A.K.C. Huysmans, Wilhelmina C.A.M. Buijs, Marjo T.P. van de Ven, Wim J.M. van den Broek, Peter W.C. Kloppenborg, Ad R.M.M. Hermus and Frans H.M. Corstens
- 2079 Radiation Dose from Breastfeeding Following Administration of Thallium-201**
R. Eugene Johnston, Suresh K. Mukherji, J. Randolph Perry and Michael G. Stabin

FIRST IMPRESSIONS

A 21-yr-old woman with adenocarcinoma of the pelvis.
What is the radiopharmaceutical? What are the findings?
For acquisition information, turn to page 1994.



2082 Pharmacokinetics and Dosimetry of Cobalt-55 and Cobalt-57

Hugo M.L. Jansen, Siert Knollema, Lammy Veenma van der Duin, Antoon T.M. Willemsen, Anja Wiersma, Eric J.F. Franssen, Frans G.M. Russel, Jakob Korf and Anne M.J. Paans

POSITION PAPERS

2087 Procedure Guideline for General Imaging: 1.0

J. Anthony Parker, Michael V. Yester, Margaret E. Daube-Witherspoon, Andrew E. Todd-Pokropek and Henry J. Royal

2092 Procedure Guideline for Imaging with Radiopharmaceuticals: 1.0

Ronald J. Callahan, Henry M. Chilton, David A. Goodwin, Donald J. Hnatowich, James A. Ponto, Dennis P. Swanson and Henry J. Royal

DEPARTMENTS

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Stanley J. Goldsmith

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